## WHAT IS CLAIMED IS:

1	1.	A method of detecting a metastatic breast cancer or metastatic lung	
2	cancer-associated tra	nscript in a cell, the method comprising contacting a biological sample	
3	with a polynucleotide	e that selectively hybridizes to a nucleic acid sequence at least 80%	
4	identical to a sequence	ce selected from those listed in Tables 1-12.	
1	2.	The method of claim 1, wherein the metastatic cancer-associated	
2	transcript is a metasti	atic lung cancer-associated transcript.	
1	3.	The method of claim 1, wherein the metastatic cancer-associated	
2	transcript is a metastatic breast cancer-associated transcript.		
1	4.	The method of claim 1, wherein the biological sample comprises	
2	isolated nucleic acids	3.	
1	5.	The method of claim 1, wherein the polynucleotide or the biological	
2	sample is labeled.		
1	6.	The method of claim 1, wherein the polynucleotide is immobilized or	
2	a solid surface.	- Fig. 1	
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1	7.	An isolated nucleic acid molecule consisting of a polynucleotide	
2	sequence selected from those listed in Tables 1-12.		
1.	8.	An expression vector comprising the nucleic acid of claim 7.	
1	9.	A host cell comprising the expression vector of claim 8.	
1	10.	An isolated polypeptide which is encoded by a nucleic acid sequence	
2	selected from those listed in Tables 1-12.		
1	11.	An antibody that specifically binds a polypeptide of claim 10.	
1	12	The entitle day of claim 11, wherein the entitle day is an entitle day	
1	12.	The antibody of claim 11, wherein the antibody is an antibody	
2	fragment.		
1	13.	The antibody of claim 11, wherein the antibody is a humanized	
2	antibody		

ı	14. A method of detecting a metastatic oreast cancer of metastatic rung		
2	cancer cell in a biological sample, the method comprising contacting the biological sample		
3	with an antibody of claim 11.		
1	15. The method of claim 14, wherein the antibody is labeled.		
1	16. A method of detecting antibodies specific to metastatic breast cancer in		
2	a patient, the method comprising contacting a biological sample from the patient with a		
3	polypeptide encoded by a nucleic acid comprising a sequence selected from those listed in		
4	Tables 1A-5C, 11A-12C.		
1	17. A method of detecting antibodies specific to metastatic lung cancer in		
2	a patient, the method comprising contacting a biological sample from the patient with a		
3	polypeptide encoded by a nucleic acid comprising a sequence selected from those listed in		
4	Tables 6A-12C.		
1	18. A method for identifying a compound that modulates a metastatic		
2	breast cancer-associated polypeptide, the method comprising the steps of:		
3	(i) contacting the compound with a metastatic breast cancer-associated		
4	polypeptide, the polypeptide encoded by a polynucleotide that selectively hybridizes to a		
5	nucleic acid sequence at least 80% identical to a sequence selected from those listed in Tables		
6	1A-5C, 11A-12C; and		
7	(ii) determining the functional effect of the compound upon the polypeptide.		
1	19. The method of claim 18, wherein the functional effect is determined by		
2	measuring ligand binding to the polypeptide.		
1	20. A method for identifying a compound that modulates a metastatic lung		
2	cancer-associated polypeptide, the method comprising the steps of:		
3	(i) contacting the compound with a metastatic breast cancer-associated		
4	polypeptide, the polypeptide encoded by a polynucleotide that selectively hybridizes to a		
5	nucleic acid sequence at least 80% identical to a sequence selected from those listed in Table		
6	6A-12C; and		

(ii) determining the functional effect of the compound upon the polypeptide.

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1	21. A method of inhibiting proliferation of a metastatic breast cancer -		
2	associated cell in a patient, the method comprising the step of administering to the subject a		
3	therapeutically effective amount of a compound that modulates a polypeptide encoded by a		
4	nucleic acid sequence selected from those listed in Tables 1A-5C, 11A-12C.		
1	22. A method of inhibiting proliferation of a metastatic lung cancer -		
2	associated cell in a patient, the method comprising the step of administering to the subject a		
3	therapeutically effective amount of a compound that modulates a polypeptide encoded by a		
4	nucleic acid sequence selected from those listed in Tables 6A-12C.		
1	23. A drug screening assay comprising the steps of		
2	(i) administering a test compound to a mammal having metastatic breast		
3	cancer or a cell isolated therefrom;		
4	(ii) comparing the level of gene expression of a polynucleotide that selectively		
5	hybridizes to a sequence at least 80% identical to a sequence selected from those listed in		
6	Tables 1A-5C, 11A-12C in a treated cell or mammal, with the level of gene expression of the		
7	polynucleotide in a control cell or mammal, wherein a test compound that modulates the level		
8	of expression of the polynucleotide is a candidate for the treatment of metastatic breast		
9	cancer.		
1	24. A pharmaceutical composition for treating a mammal having		
2	metastatic breast cancer, the composition comprising a compound identified by the assay of		
3	claim 23 and a physiologically acceptable excipient.		
	A los considerations are the stant of		
1	25. A drug screening assay comprising the steps of		
2	(i) administering a test compound to a mammal having metastatic lung cancer		
3	or a cell isolated therefrom;		
4	(ii) comparing the level of gene expression of a polynucleotide that selectively		
5	hybridizes to a sequence at least 80% identical to a sequence selected from those listed in		
6	Tables 6A-12C in a treated cell or mammal, with the level of gene expression of the		
7	polynucleotide in a control cell or mammal, wherein a test compound that modulates the level		

of expression of the polynucleotide is a candidate for the treatment of metastatic lung cancer.

1	26. A pharmaceutical composition for treating a mammal having
2	metastatic lung cancer, the composition comprising a compound identified by the assay of
3	claim 25 and a physiologically acceptable excipient.

- 27. A method of detecting a metastatic breast cancer-associated polypeptide in a cell, the method comprising contacting a biological sample from the patient with a antibody that that specifically binds a polypeptide encoded by a polynucleotide sequence selected from those listed in Tables 1A-5C, 11A-12C.
  - 28. The method of claim 27, wherein the antibody is labeled.
- 29. A method of detecting a metastatic lung cancer-associated polypeptide in a cell from a patient, the method comprising contacting a biological sample from the patient with a antibody that that specifically binds a polypeptide encoded by a polynucleotide sequence selected from those listed in Tables 6A-12C.
  - 30. The method of claim 29, wherein the antibody is labeled.